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REFERENCES	1.3
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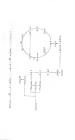
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D) as analysis of the distribution of profesorivity is hencel separate, Standoor (ITT2) found that must of the limited relaxation sugars were located in the placembe-chaltest region supporting that messure hydrolocie somered to this region. It leave the leterouls, spoose was found to be labeled has reducing suggest still propose for text of the label LE the please-text-dense organs. Shawson and Deppherry (1971) should that Investmen was present for the best less of the ondergoes thereo whereon extractions are not found, implying that only larantime was respectable for the breakdoom of spoose in this report.

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In dark unbeganess benner, mursus bytologicus dans IN COCCE CENTE (MARCH. In series of 15 tities emprissans Jones: [1971,1730] compared detailed water series as Labilitad genies in embigence grounding amoust in Vauli the foreign-I maker was believed untable (March I makers). The first series from the makersynt troops though which the importanmentals from the makersynt troops though which the importanon the latal was 4111 in the foreign-watery indicating solution without principles. In advanced in this agreeme or COUNTRIL IS the WAR of March or that young was able to the a fail-like register and this contrast was memorify over After moments of the assiste the endeapers cells, the next neries of events is the compension necessaries of necess into stock. The first cappe, for which genatic data are well-laded and thin is considered to be fermined in the conversion of sources to stated, is

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The next organs that is considered to be levyled in ctarum symbols, based on quartic orideous, in ages pyrophosphorylana which catalypes the continu

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Total and Reliam (1986) and Continuous and Freine (1989), showed that the stored deficient nature <u>showbers2 (sp2)</u>, was deficient in ASSO pyrophosphorylams indicating that ACOS pyrophosphorylams is magnired for served atmosphanes.

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pier, mephan, harier, tomets, hari and kldery hemrecented (set mit and lates attained a pieceties (Innuia min, 1984). All sets actives the jobbs and indicated by Lauryanic passagame. The indication by Fi is reversible by 1988. The activity of 2000 gypolapacities in make its also mediated by 300% and fs (Freigr, Lancet and Seferi 1931, Education and Parises (1881).

New 2009 pyrophospheryises in major (Innash and Helico) 1979, 1978, Emmas, Dunchell & Stone 1880) based on domagn offert and cappus stability. Recordly, Dunckell and Emmalia pures) showed that envertees talkeles of myg conditional pyrophosphase with different allesteric pyroperium,

The first reaction in the conversion of account into statch is the transfer of glacese to a glores primer by the action of starch synthetess: This rection is thought to be covered out by two glower systemating express, solution and states (practic bound street synthesis. Solices and times ([161] and majors and Bad. Child; steemed that the relaxet present bound states synthesis was interest for the state (agg. 102). Smaller consider were obtained for aggs (102). Smaller

but nother an alteration is the normal exact composition in gg, the lowel of auglements is increased whereas swylams is larking. Without the bound exacts synthetics wild tage levels of storm are still meistained.

mairs (Dates, Seder and Friis 1971), explore and year (Fryma, Desense and Gurdins (166). To potato (Boulor, Odios and Friis: 1971) and males (Boulor and Davense 1971) modeble storck symbotoms was exported to export experient glasses agreences.

Thes is estance that mallots essent symbolses may play the major role in stanch symbolses. In suppose, minists and Manares (1861) showed that (1³⁴C) 2007 was sementaried to starth more effectively than (1⁴C) 1000. Solidies that the synthesize has here marketed with the type of small players marketed with the type of small players marketed from themselves (in the same marketed with the type of small players marketed in the type of small players.

leases and before (1977) found that the noticity of some dependent winner expendence on controlled with the time or spid stands epithesis in busing. Whe feelection of the mimeters, which are decident in the photocones of sape a points not may see electric to the products on the search of electric transfer repulsions. This would be expected if piones was added in steams thereopy notices and the product of the product of the product of the controlled and the product of the product of the product of controlled and the product of the product of the product of the controlled and the product of the product of the product of the controlled and the product of the controlled and the product of the product of

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physiological ordence. You have distribution of matricities in implement employments, like and dissument (1981b) proposed that derive flows thereogh 1-70% and TRAY or (Livetisted in him betton portion of Figure 1). A potential contains for someone source symbols in the use of <u>ig size</u> times cuttice spines. Jan system sould be upon to acceptation and equily provide information about range systemic. But times under sixed systemic has times under systems to be sential to maintain the sixems mixture systems to mental to maintain the systems of the sential to maintain the sixem systems to sential the systems are some superior to stooth synthesis much be expressed.

Theses and Nerty (1977), requisitely extendituded these confirms of miss embogets or samples of viscous writtens; Colv and Therese 1931; from the requirementary the previous majors with account led to states accountant and test previous majors with account and tests to the obtologies sells. However, amplies content and tests where moment of the units was law in emperiors to test major the content of the proposal tests the ordered colls all and developed all of the obtypies assessmenty for sevent interfor patternials.

Fivelity, Numbers and Chang (1994) found differential supression of Att In cultar Lineaus decipal from Laurius mains enterpre, Agent, this supposts that specific pane expression may not sever in cultur or suspension timens solitars systems.

Modelly, despendent [1977) has necessed in growing latest maken ovales to naturity in switter. Nicola of timese, commissing of hereals and supportion timese, were present from the ear and placed in culture where they warning develop to meterity. Although the presence of specific engines was not determined, the outside knownia mendoutend labeled motor entire theopenback, personal

FOR IN STATES become development to the install in the constantion of visionic synthesis and most development in man written described by the course by cyling. The PLEASEY objective of that investigation was it scanning development of that investigation was it scanning development of that investigation was it scanning development of that it price all and apply become grown in \$15500 the described by creating continue minimum provide in-

After determine that development in culture was respectable to provid it time. In either borner development was stilled to investigate parton metabolism in the manner undergram. Exceels were grown on different carbon success of descricies if seconds would develop an different carbon sources and if my, if growth in different carbon sources would affect attack symbols and then be conful for making and properly of the conful for making and properly of the conful for making and properly described becomes and the conful for making and properly becommended or for making and properly becommended.

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Percent consent. To William

The first series of experiments was despited to sensities development of carpopain (hersele) using kernel sultare methods. These observetions were made in an effect to quantity development at oxymptic grown in column.

mad placed in cellure using the techniques developed by despendent (1972) on described below. After 2 days in militar the Armed blocks were countd to describe the periondops (retilization which was breed as herea) moleculars.

for growth and development through 31dpp. Some of the harmals were reserved from unltars at 3 dpy intervels was named with the aid of a descenting microscope to determine their other of development;

After Maps the remaining termin blades were consented of fields the lowes. Them were then enacing to determine downlogsmith satisfy and the head processes of development of defending the processes of Zentilized Streets that Invalid satisfy in this case, a Section test Invalid satisfy in this case, a Section test Invalid satisfy if it would be desired to been readed and mining if it is sublisted mental in SCHIME and, your derivant file or tree may conside of

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The next deline of experiments were designed to Laminous the precentors of Assiste Mark small be classified we seemed, as who said at 2000pt. 30 the first experiences, that there have been likely many logical for winkers offer politication was married from Jongs to Tops. Jonato Wilst. I (120 works was many. After 20 June 10pt. 2 politic Wilst. At (120 works was many. After 20 June 1 motion that we succeed and at Grain for 1 works. As in the previous emperiment the precentage of freatlinessian was based due. Amount attachment of those at companion of the description of th

development, as mixture, assettle intainers them enthers of the permitters that investion expectably present years and investigated the terrain was effective in internating in SIAS and the Section 1. The second of the section of the Section 1. The second of the Section 1. The section 1. The second of the second of the section 1. The second of th

Another experience indiler is the one shows was performed in m effect to improve an eight development. Ovales were plend in culture as Americal and allowed to develop will 120pp. The bound blacks were then removed from collect and all let I of the developing swales were removed for each letted block with the ald of a swalpel. The beside blocks were respect to exitute and allowed to makers.

Second College Procedu

ADDAY MEMORY THE CONTROL OF THE CONT

Bread Shades were planed in a Remonling and Shope medicin as modified by Engalemia 1927 and as demonstration here. Gasper concentrations were 150 vol. of success, glunner as frontiers. For the membratisting plummer and frontiers transfers 15 (v) of each might was wast. The medican was filter strelling or entries progress were added after the modifies, plane aposity, was remonitored.

Ja-Mallinghampononic med and one N/1 of carin hydrolysabe. The salli-picon/films of alemphospers multan man added to control because occasionation. The to a facial links ware placed in many links because of the control links ware placed in many links be not placed to the control links and placed in many links be not to the con-

inchinating Measurements of Marcola Stone is College

Except of the Universetypes were gener to collision with macrone, glorone, fractions of glosses plan fractions as the carbon source). After 12 days on calture, barrels demand to be action were recoved, and daled dat at least 2 world, and ware used to examine generation.

For determination of permination, the sends were piccel determs should not milet blotting paper and germinated in the dusk at 20 C nor | mess, _tota| permination was the percentage of sends that derimanted efter 1 week, dermination was defined as radical

magence.

ledes which relates the percentage of garminution to the question can by the following formula (Schalal) a Golberg 1931;

$$ax = \frac{\sum_{k=1}^{n} z_k}{x}$$

 X_{α} - The number of seeds that presidenteed on day :

- G = Total days of corn
- a toward make an detactor from court !
- C = Dom of All mode that perminated during test.

next and shoot lengths were nine messecol. Headlings were records after the 2 day govaluation both. Boot length and shoot length were messecol to the exercit half sillimeter.

Sendonest of Executio Syructics Execut-

In the effort to makinta activity of moreone specialment, Jüff-plucone pyrophosphorylans and stands synthetics (field gives, neural manes was used in a social of extraction and seasy procedures

to e children matter senseption, 1000, with spinol bil Courty to e children with sither a 0,000 MGS-malesto saffer 1987,00, 0.28 potentias googlesis baller (987,5) containing 6.008 MTM and 0,000M CSE, we 8,520 potention phosphota buller (98 7,00).

After guideling, the homogenets was contextuped as 14,000 fix 20 min. Allqueen of the experiment were almost five entirity of the 3 occupies naine shanlard frection managers.

To other apprisants the expensions was disipal overlappe epices ofthe 0.01 TETS-malesto befor (pET.0), 5.55 mm; property of 0.00 mm; pr

In other experiments the experiments from the animial Confidinguisms were mult freezionated by editation of an equal values of estimated emonytes solfate [77gw/10bel], After showing at 6 C for 1 br., the empty propertions when containings of 27,000g day 15 mes. The pollet was resequentfol 10 mon-Molf the existing values to one of the 3 delayabe before and dicitized occuping separations. Define, Aliquein were then send for outputy monocommunic of the 3 magnes. All combinations of landform with the examined to mylinder the outputies possedury for maximum

opines mobile was no married in 0.222 MIZ-malerie buffer 128 3.00. ACP-timine pyrephempheryimen was occuped effor the initial contribution. Discines symboleme and eterm organization are sempled ofter out frontibutions and pressible dislipsion speines but 0.000 MMSD-malerie boffer.

The second second

After debreastlan of the options procedure for stayes recovery, methods were developed to conserve superenf etech from the energies propertions. This valuestia procedure in memorized in These 2.

Finder broken over respect first the odd blaces and the medeputes ware separated from the subtyst and policioury. The endequarts were ground 1:1 Only in skilled 8,61m THIS-maddets buffer (part,0). The bonogenets was couldinged to 34,000 for IN als. The separatement.



Annique Procedur

Factor 2: Flow sheet Dot Seniation of compute, supply and steach from undergree tiest.

covalised the 3 suggests as well as some of the soluble segate. The pellat, containing the starts and none of the soluble sequest, was seen for lets extraction. As aliqued of the scale sequentiars was recover), filtered 1/5 with water and immediatory area for determination of ATP-placement

To expects the actuals engree from the militial states, as equal tower of extended amendment maticals was added to the trade supersector. After Location in ion for 3 hr., the solution was constringed at \$1,0000 for 3 max. The paints unstaining the engree was consequed in our-dulf the striplent motion of the extensions before and delayers discussion special before and output for for any proportion was used for energy of action productions and states by specialized states.

YE ON SEPTEMBER IN THE BEASE ENGINEERISM, MICHAELISM, TON SERVICES AND SERVICES AND

The attrib containing palled from the initial scalarifepation was boiled in it volume of bit school alcohol far 20 cm. After filteration strongs became at filter paper the filtrate, which contained the object. stocked estable moment, was pooled with the other attable maps: forstion and used in the super analysis, the resident, which contained the mouth, was dried in a 63 (one), and should be a following until sendying.

The wildfly of the emone outcastion precedence for subcrease necessaries of wayness and paging was assembled all compacting remains from the Common networkers concluded with excellent delication by severy optimized metastions would fast such moments. Also, intersective opport unit solids of a cutting outcomes and encounty of the seagers of cost lawy and the anteresting lightness was despiticable. Beautiful first these comparisons support the validity of the common execution makes.

Surpru Belleys

4. Narses eyelütükük ülür-yürmenib-frusian 2 yürmeyitikikizikası, A.(.) k.1.11 me seyend by ülü eyimeyitikikiki a. Narsesi ülü eye matrok el hüneyi yal bilan (1971). On aterilikiri olu tik düliyimi, mayya proportika vere eddü ile ike memme yürkininin gerülükü matrok matrok tikinin matrok tikinin sektiye dilik ülüminin olu ile matrok belür (pi 1-0), 2 melle mayorakın mülkinin tikinin bilan düliyimi bili matrok belür (pi 1-0), 2 melle mayorakın mülkinin tikinin bili elektrikinin düliyimi bili matrok ilim elektrikinin düliyimi bili kinin dilim elektrikinin düliyimi bili matrok ilim elektrikinin düliyimi bili matrok ilim elektrikinin elektrikinin düliyimi bili matrok ilim elektrikinin düliyimi bili matrok ilim elektrikinin dilim elektrikinin dilim elektrikinin dilim elektrikinin dilim elektrikinin dilim elektrikinin dilim elektrikinin elektrikinin dilim elektrikinin dilim elektrikinin dilim elektrikinin elektrikinin

After sections at 17 C for 11 ale, 1,5 at of

dece was edded to corminate the resortion. The resortion minimum were then holded as a water both for his min, to confirm the constant fractions:

nation for the second s

To summing the utilibility of the low method for neurons determinate, none maples of these sections supported to the second by both the low method and genvious determinately. Assets intends that the low method gives as severate indication of secrets

The seconditions of the erods segme properties were tilesed 5 fold with distalled water associately before energies. The resultion minimum communities of m.H washes on stirls before (q_0, q_1, q_2, p_3) and set of meganism obtained. We get of MHS liberton energy allowers, y_1, y_2, y_3, p_4 , y_1, y_2, y_4 , y_1, y_2, y_4 , y_1, y_2, y_4 , y_1, y_2, y_4 , y_1, y_4 , y_1, y_4 , y_4, y_4 , y_4, y_4 , y_4, y_4 , y_4, y_4 , y_4 ,

Dalled is a steel bash for 1 min to rectain the reaction. After cooling to book temperature 1.25 union of hunterally alkaling peopletters was added to each take to CLEVE the consisted gloomed-uphensphere. The types were developed for one for my 27 C.

Theory margifiers of the resetton margin was special on SSAS faiter Galba. After 5, 20 mar master in dustilled makes the disks were dyled and manifold the ambientisty by accelliation sportnessing.

c Double MCDON profession Consider Officiares-water Simport/Considera E.C.H.C.H. was sweeped by Conseparation of 1¹⁶Cy Lincon from 200-1¹⁶Cy lincon Self-consult below 1 this amplication by a multivastion of the mattern of tellow 1.0. (2013). That, inductin and bullow COTED and Environ of Self-consideration of COTED. The restation science oversitod of 12 maintain SEES better pp 7-3/1. I.S. seales 200-1¹⁶Cy Lincons (46.0000)a. 6.3 period stypes preparation to a final volume of 160 al. Controls Inited amplopratio. The searties was carried out for 30 min at 27 C.

We nestion was involved and the application stabilized by the abilities of 1 at 0 -115 most. Sendandwas offed to a final conventation of 79. We start has pullished by mathringstoms of 15 (and post of 10 to 10 and 10 to 10 stabilization. After the thirt work to state pileto as stimulation in 0.0 mil of 1.18 to 10 to

The stards assignments was placed on placed as first disk and weehed with if all of methodel. After drying to disk was mentioned for radiometricity by minimization appetrometry.

E.C. 3.2-7.09 was energyed by the noticion of agence and solone (2011a): Debugseous were proceed 5.1 (1979) 16 0.00 is 905-maintan kerfar; ppf is 0 followed by montrolepoths or 22,000; 00:13 may. The representatives obligated overallysis species 5.0 of 5.62 DEE-maintain (pdf 7.0) containing last

The rection minimum contained 0, 1 ml of 0.40 m success, 0.60 ml of 0, 2 m column movement before (95.9) mod 1 m 20 ml of anyone exists on plus sector to a final volume of 0,175 ml. Doublation times were too 1 ml.

To Director's the stantume, 0.0 of all Meleco's reapon (1944) was added fallowed by heating at 90 C but 13 ata; The markure was could not 0.6 at of arranouslybiata research was added. Absorbance was read at 500ms

Property of (14c) appr

Let $^{-1}M_{\rm S}^{\rm o}$ gains we proposed by a multiferent of the widthed of Trade and Translation (1992). For a surrounces of a collectedy landscale $^{12}M_{\rm S}^{\rm o}$ necessaries of a collectedy landscale $^{12}M_{\rm S}^{\rm o}$ (some $^{-1}$ -dynamics series) and the states of act, the boundary respectated to appear noise a states of act, the boundary landscale and the states of act of the collected physical proposability and the collected of a surrounce of a surr

The reaction miriors was concentrated under a stream of all then attacked unto Manhamm HJ paper. Authoritic amples of ASP-circons were spected on beat askes of the attached reserving The Authors was elementaryabled (decompling) THE 20 MeV. in a melventh system consisting of

Nik without τ 18 emerges scatte (502) pr 2.5. after directory representations, the animals afrectives spots were located with a NV loop and the area between the appet was reserved. This exits was wasted in 200 at a shandane estimate for 3 house followed by drying. The nor- $c^{1.4}c_{1}$

STATES Commenters (or)

The first describ massion indicated arther recenters with how simply closed are primed to a files power. See hondered skillageness of the produce was calculated in it at a figure and, followed by suttimes of N as of a strikingle service. The pit was adjusted to 6.4 in the modified service, adjuvant to 18.0 i. The skillageness of adjustphenomicans were added to 1 ml of the unitation followed by inschazine at 18.0 CeC 1 hr. Hearth as the measured of first primess under a builty for prime increases would by discussion and a part of the contract of the contract of the primess and and primes are contracted as the contract of first primess under a builty for primes account of the interest was of the first points.

FOR MARKESSMENT AN ENERGY IN COLOR AREAS THE ARMS WHEN TYPON! IN 5 VOLLERS of Els shops laboubol. After Illesing through Metano 94 paper has weaken was dred. One bonded Allignam were then used for Management of starch as described above... Record blooks of count, and and all were placed in collete as providently described. All Dobys, the Assaul Shocks were recoved and divided to produce pours of broads wish the one houses will attached to the kernel boxs.

collect medium containing 1^{14} CI impar theoreman). This 1^{14} CI impair (showness or moreons, 1 off-formal, specific matching a 310 off-formal and 310 off-formal compositivity) was bootted in depressions made as the squer medium. Secreta wave supplied with labeled organ whole has been a cover, for elementation of sources spokedypials. Matching spokes on other than a cover, for elementation of sources spokedypials. Matching spokes on glosses were supplied with labeled moreons.

MARKE & I MC. DAIRS IN the Investigate, the horsels was Canadoversh dank into the orginals meltion for the chose paradi. Employ were naken immediately after respond from the I¹⁸CD super and Al took intervals through 4 br. The entry and parliancy were resent and the sodompersor were freeze settl assigned.

The enforcement were ground let tower in the whey alcohol followed by contribution at M-000g for IR also, The supercentest was connectioned under a stream of air and tyrebilisms. Four honderd secondless at whey alcohol. were added to made ample and 56 gH of the moderate maapolitic or Mestern E proper. Obvioustorrophy forceomings was control out in a naivon's system emmastering of bloom? I emetic self " water Dahill EE 68 hr. The observerpephs was man does I or opportun, plotted it additiliation finish and non-control of a naison-tirely by metallization finish and non-control of a naison-tirely by metallization.

was allowed warming

insers were quantified by particular disconstructions. July a mallication of the matched of require, Universe and Modes (1981). The will allow of the same of the

Online of the drief course were made by addition of 0.1 ml of STMC Scient-Minnesh (Seederf Songest Orlines Chesical Co.) which contrained 23 mp/or of infrespisation byfocological and 6 ms/of of course developments. pyridise: The walls were produced for 20 cm., at 7 then could be grown temperature before alleration.

The entirements were mighted by the shifting of \$1. at 4 stations/pictifications for force by executing the couple for \$1. mer. The claim were immediate for \$1 mer. The claim were immediate for \$1 mer. The claim were immediate for \$1 mer. The claim were the claim of the shifting of the shifting of the shifting of the claim of th

Lon-bechange Chousedaguagey

In makings demonstratly we portional on the lithird dotteding again selected by demonstrating contributed activation again selected process, the lithird selected and selected little was seed. The papers containing the weightle ways were consent from the selections provided by the selection of the the selection process was study that was seed the selection process was study that was seed concentrate in a value of species which you had no weighted program outputs the sales and making the selection of the selection of processing services applied to the PLE, places and making and selection of the selection of making and selection of processing services applied to the PLE, places and making and making and processing services applied to the PLE, places and processing services applied to the PLE, places and processing services applied to the PLE, places and processing services applied to the place places and processing services are processed as processed services and processed services are processed as processed as processed services and processed services are processed as processed services processed processed services processed processed processed processe developed as above, after inn-esshape chromatography the stress oursepositing in the metherbide separa wars concerned and redissectivity was determined by meintillation spectrometry.

Enfrolysis of (14C) Labeled Suny

obcommoncephy was hydralyzed with inventors (physical the paper excrements) to the labeled socces were reserved from the solution to the labeled socces were reserved from the solution to the labeled total in total and frield. The source was observed from the paper with water and Japobilland.

One willister of on entents before (o) 4.75 cm conventions) BB units of dissertance was saided to the liquidated enter and forestated for 2 Mr. at 30 C. The INSTITUTE AND AN APPROXIMATE OF THE ANALYSIS OF T

SHCH

SCHALLESS IN ALTO

In the first experience, looke of will type termina were planed in outcome of 20pg, lake 13 dept to collect the percentage of fertilization was infection who has percentage of busined withousepeers, some terminal were there altered to divulp to ministify which eaches were common as 5 day literation and command with the end as a dissorting selectories.

Approximately set of the America appeared to be fertilized based on because unlabyeases as likey Grygore 21, the evoles that had not enlarged were consider or were quite smell and enhanced on forther topes at development,

Approximately 30% of the human's blob were furnified developed to summify and contained both webers and abbuspers (Syure 4): As additional 30% smillians were STDWIN bin growth was turnished belong 30 days in solute



Figure 3. Steek of wild type becamin at 1985p. Most of the bereals have edicaged indicating faulillantage. Corpyches that most deviating (arrows) ombiguit so growth



Figure 4. Block of \$32 hereols at maturity (1988ps). The proved toronthe see large and less absend to stick the smaller and open range department increases.

Digon 41. There haveds were distinguishable from second hazards by blere small size for to depresent development (Figure 41.

has little selection and horsels that has defensed in his little selection and horsels that has defensed in the horsels had dependent a new processing of them made selections. Do that inflations the enterprise of them made and report the complete over IDDIA of Earl and, and a processing of the complete of the complete over the complet

Incommen

After the initial uniquie of development is coltacy, experiments were performed to improve the personnings of herenia that could be classified me normal after 30 days in oldinar. In the first coperiment that the between pollimetion and laterest was increment, familie of this experience (Figure 5) revealed that Legrenaing the bime between pollination and between Legisland the number of hormole that were assemble. Mobile there was Little Incomanis the number of atypical hermole, the number of scenal

From the data collising, it would appear that the mast them on place the furthilled owner to coltions in high out Figure 11. Owner entergement had nomerced as figure makes it possible to detection with of the compress had been furthilled. The was no important furtor whan assistancing the master of been all backs remedie for the supprissance. It was difficult to distilluyable between fortillized master contributions are also provided the contribution of the moderations of the contribution of the contri

Also, The of the breaks that was stillined was sound atted IN day in walkers [Figure 5], free though there was a slight instance in development from Bays to Mage the elder hermals was not used become of the difficulty in descenting the hermal blocks from the continuous.

huntingment of Reinels Street or Coltere

Nild type bermin and any and any hectets were placed in culture at high in media emphasized socrete as the earlier oration. Methols were transport as 5 day intervals. eliced through the center, and assumed with a diamentum microscope.

When the correpose were placed in cultime, the addaption was assilt and the smealine throug composing the bilk of the Cassa. The entry of the Mann reals out he found with a desecting alconous partitions it was possible to become out the underspece tierns from the constant rises.

At 1800 the conference has displaced were of the monthle kneem, by this time it was possible to investigate and sentile in the companion of the control of the control is title a companion of commences. The control has control is title a companion of the control of the late of the control is the control of the control of the has been exhabitable. In some institutes the questing of the enthrops could be excellented with the possible of plexile and rabitis incitizies and early expect of excellent

The endingers, an 150pp, had shown county displaced the modellar Linius and the emile of the endospers were necessary larger than at 150pp. The makeys at 150pp had a definite abuse and the piconia and reduce were well established. The notation was also assumed.

Release Didgs and Indep those was little change in the andonperm cells except for rosm cell enlargement and the obvious presence of elerch prevailes. The unknyow had



Figure 5. Effect of sarying days between here asset kernels to coltars on kernel development.

cofergoes the most reduced changes with the appearance of leaf prisodle and the appearance of the coloccium. The mine of the embryo increased from 15dpp to 15dp. At 18dps the before terms to less maletars as we

At 1869 the knowle began to less maleium as way widnes by the firstation of a deat in the occas of the become. You endempers was bood and the calls were filled WLES Mainly. There were normed sensitly lances promote the rebrys and a well defined occasions and realists.

the mulmits was simpler to the formal, Officences became apparent and Total Parket was a supported and Total Parket when only essecuted with the notemperam. Devalopment of the analyses was shaller in all 1 sections.

The \$2,000 and and melocurum contained into stacch at Sings to competions to waid type. The enfoacement of able were filled with final and stacch grains were ann observes

at lings. There was elected present of 100po in ght.

By 100p ght and ghd hermin had 100p meletics, the
ghd confessers were heginalog to outlapes and where were
little welferer of where accessions. The ght
medicopoun, oi 100pp, had wet emilepsed and starts was
whethere.

Their said considerable differences between the aband abl bereals at materity. The abl enterporus had notified and there were obtained assets between the abl. The abl howers had a cubildovable amount of alpeasant at ascority though the lovel was much lass the second. The electh was loveted in the periphery of the horsel and there was a ceraty in the interior of the second and there was a ceraty in the interior of the

ACCRETATION OF PERSONS ASSESSMENT

Moreote et al. 1 yearsquee were placed to cuttors of Mign with account, golvener, forticher or glosses glas Frantzia an the earlsen maxim. It likely the horsels were recorded and weights to district life from elegisk would be effected by growth on the clifforner wears. The weights of the horsels are given in Sable 1, will gray becrack that the horsels are given in Sable 1, will gray be broken bed the greatest everage and weight fationed by gall and ghl entits.

Ends at wild type more prove as the presence of the different copies had wild top productyes at memory of first frequency. As it because a property to have a large smooth a strong, hand or visual observations. We broadly presented a confect Grown which are international and the wild type penetrys. Servick that were grown with assessed at the confect hand as for the conference width.



than those mode grows with any of the wider eacher morros indicating that storpes was the superior stated regree (Table 11-

different outlos soccess had their repended phonotype at mahority (Figure T). Souds of <u>std</u> grams on success had a significantly greater supple than becoming youn on the other separa indicatallay had, on in wild type, socrees as the supericy cycles never those 11.

An entropy, made of this great is the different colonia section and their electricating longing in Dail their sublicated anisoner remon (Figure 1). However, their sublicated anisoner remon (Figure 1), thosever, and an positive to whenday superity mode great anisoner and the season production, and such any colorer forms and them seen classified an eight policy and the season classified an eight policy and the season classified an eight policy and the season classified and eight policy anisoner with the season product the sublication and the season classified and eight policy and eight

Corminating and Drough at Large to Grown to culture

After weighing, mends of the 2 questypes were enalyzed Dos germination cate, as defined by the germination rate





Table 1. Weight of hersols grows on different moner sameous. Beneals were grows to materity in outside, also fieled, thes weighted. Approximately 100 keesels of such stoolings were weighted.

Throoping	Zaray Source	Pro Woods
		09/Newwell
wild Type	Somman 6230000 Youtone Control	.1156 ⁸ .1876 .1160

25(25508-) Section (49.3) Glascon J.234 Friday

| Front Lane | 1879 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 | 1

index, and for total percentage of providetial. The

The protection parameters have valon type seems are gless in table 2. Morroll grows no necrose had a greater permeables rate later (Mole 2) and a present late2 permination percentage than harvets grown on the other

espece; the next algority considerion code ladder and could permissable were for sends given on glospec followed by meda grown on glosses plus fructures. The Lowest grownestion rate lader and total purmissable were for layering rown on fructures; and and short largets were tables on secretarious.

childre Der Nersich genem 18 mil ernbem senerum (Their grow-The grotification pursonesse for mil Messacks see givete Tender 18 mil 1

new persists guizantilo tels index and tests seminated were for termels group on glocore followed by lavariate go and glowner plan frusteen and then frusteen. The cost is shoot lengths was idulties for bounds grown to all large featurester for gift are glown in their factors are consistent to several man may be recited grown as globes in the content of the content of the several man may be recited grown as globes to the curbon assess that the lapters tend grownstrates

pendializa indises uses he heralls given on glorges [in fractions, then fruntaes. Extends given on sucross had the levent genunction rate and the levent genusation sate index. As or weld type and this thore were no differences in about ar your lengths of hereals grown on the different action occurs.

Starch Cartant of Marcels from to Meterity to Cultu-

Analysis of preliation and read wight, I make an determine at most wight as correlated with states to determine at most wight was correlated with states outside, Annials at all 3 montputs grown to anniaty on the different oppur was ovaluated for shared context. Presilve or given in Sobia 3. The mass potions for some weight and presidenties measurements was also found dur ANAISS (MINIALS).

Records of <u>and</u> had the least amount of starch of the 3 probupes (tobbe 3). Extends of and green on success had a

Table 5	Starch Contest of Mattre	Sermela Brown L	
etape	Super Source	Miles	

Sight Statis content them Mid Beausis grown on the other espece (TRDGs 3). Meteods grown on gloosem 3nd bhy men highest rharch cretest followed by DETFHIS grown on glooses plus frunteen them fructors.

As 33 find weight and personalise, all serveds types or reflectly suggest hold a greated cherch senters blanc hermile green on sections. Scientic grown on pissons had the quantum shareh venture (Seele 3). This was followed by harrisin given on the definit reducing suggest. Hermile group on correct held his insuns standard, content

agent in Developing Screenin Graws in Different Curbon manus

proposation of the control of the co

Is the owtents, expectly activity of the defic

steps was nameat may at limps out Steps (this o. The level of success synthetism is all was approximately be at the network frame (in vill type or <u>All</u> nahupusus produced if <u>NIME</u> (this is). Were in similar to the constituditude (or compared and name vill and Construct (2015)) for saveness synthetism southwist in <u>NAME was at a less</u> Activity of success synthetism was untilled in <u>All newsals</u>

approximately 30 of the activity is wild type and <u>abl</u>
endoperson (Table 41) in agreement with results extended
Remain and Salama (1979,1810) for <u>abl</u>, grown <u>or wisp</u>.
Antivity was mixtled in including some an engreen, glocom

Of frontees

The specific satisfies of secrose synthetes is wild

Type and shi harmola group on the different curbon appro-

Type and <u>AD</u> Permis groun on the different outlon motion is in game in Figures 9 and 10. In passes), the specific activities were saidler in wild type and <u>AD</u> Armella, AD methicity was Good at 130pc in without postupy; In general, the majoral military wavered at 25 to 200pc. By 25dpp the metuvity had decided considerably.

The activity of ADVD persphosphorytass to wild type and ship broads that were grown on the different separa an given in Figures 11 and 12; both prockypes had extiled

tuble 4. Per symbologue in ski ski bernels at 20	contest of Wild type levels of nervees, and setticity of ADMS pyrophospharylass sco 254pp.	
Genetype:	Bright Newsord	Artivists* 200cs Pidps

		20
**1	surrent synthetass	5.7





Papers 10. Specific Activity of success synthetase throughout descriptions in addressess of 302 horsels crown on seress, glacoes or froctors.



Figure 11. Specific nativity of along pyrophesphorylana throughout development in references of wild type barrain grows on mercon, glasses of findamy.



Figure 12. Specific Activity of 2300 pyrophosphorylane threephort development is andsuperms of agl Macrotic graves on declaracy, planess or fractions.

Activity of atroch synchetars in wild type, and and and knowle grows an ancare, closure or fractions are syrum in Pumpres 13, 16 and 13, Annivity of statut synthetaes was alaliar in all 3 posseppes, Images poofiles were alailer with measure activity at 25 to 300pp.

and or also of the state of the

The levels of morrows, piacons and fractions were measured biomyodist development, because of the 3 pennipyee goose so the different separa, This was done to determine of goods, 15 MSER was a effection of what occurs up 1700 and if there was an accumulation of mapses in the different semans, letters principles and the build up of migrat in the manages grown is uniform would be sweeten if goods in goods and up 1700 and 1700

It was peachly to errodice the dijusted separ definition of success, gluesse and firetone by the one of gas chometography. The rotation times of the derivatives of nacesses, gluesse and fractions were approximately 11.1 Min., 4.8 man. and 6.2 min. respectively.



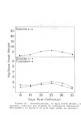


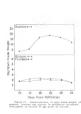


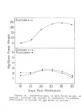
The concentrations of segure is normal, and and gar, one on excess are given for Figures 50, 27 and 50. The GODES Level 24 wild type remained lew bivequipout valupment fragma. List and pecked as AC-234pp. Lemmin of worksome of givenous in wild type incommand gradually lough 234pp and decidend interaction (Figure 131). The OMESTICAL STATE OF THE PROPERTY CONTROL THE PROPERTY IN THE CONTINUES OF THE PROPERTY OF T

monometerate of agrees in 201 to 201 located operations of the control of the con

Nask in mather of the sales emergine (Figure 15). Business increased thesefuld from 15dpp to Didgs and centricold to increase to 25dpp. There was a played deciline in procumpration from 26 to 25dpp. The concentrations of







fructure and plucous incremed from it to 10kpp and delined heroph 356pp (Tiple IA) The encountration of success was present at all time intervals than the successration of plucous plus fractions. The changes is super encountrations in the wild true.

and AND emergers provides convene one stabler to measure obtained by Creme 1974(1), of Normals press in YSTS, Lit when there was a Linemon to the monut at supervise in any in the third was a Linemon to the monut at supervise to wait type— The Concentrations of womans at Holys is any are too in approximate with Tanoulis challed by Choncoly a Minimum 1974(1).

glaces or fractate are gives in Pypers 12 and 22 to normal, 21 and 22 for mil sad 23 and 24 for mil.

expensionally 2 to 2 feet some marks in Common and some ways to explanate Property Livery 1, 17 (1997), and the contract was to explanate the property of the contract when the contract was a related support to these prices on the contract was a related support to the contract was a feet to the contract was a feet to the contract with the contract was a feet to the contract with the contract was a section of the contract was a section of the contract was a section of the contract with the contract was a section of the contract was a section of the contract with a section of the contract was a section of the contract with the contract was a section

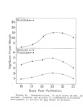


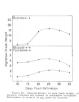
Figure 19, Communicabless, is mo/g fresh weight, almagement, fructions and glacons in unleaperson becomes development as because of wild type grown as glacons.





Figure 50. Concentrations, in made from unique, of morrows, fraction and planear in underspores throughout development is known of wild type grown on frustage.







Fugure 25. Communications, is easy from unight, of moreon, franken and glospes as endosperms throughout development in kernels of the glose on gloses.





Pigure 24: Concentrations, in mp/g Juent smight, of socious, Nivelence and glorons in indesperse throughout development in bornels of phg grows on fructain-

Supplies fromtons located the security of frontons approximately 2 lines and ondoor the connectation of planes by half during the sarry times assumed whereas the ownerstation of planes we equivalent to that found it between a process given as a supplies to the found in the contract given as more in the later time determine (Figures N./2244). As is the case of broads grown as precision and little to 20 lines grown for furnished 250 to 250 lines.

Called Special

hereals green in the presence of the difference cutton hereals green in the presence of the difference cutton assumes was commanded. Data from hereals green on sucrous were cannot in analysis of <u>in years demandement</u>. These deta were conful is describing how growth in outland minuse growth and development in the field.

Consensatation of starth opening in developing towards grown in the differences in custom access, we done to determine I'd differences in custom empire would affire the periodical distance in positional terminal and the starth in the opposition is related to the opposition of the starth in the opposition of the starth in the opposition of the oppositio

Stanck mosters of wild type because grown on the

different sparse was given in Fujerra 15. There is little differences in the seather senters as little and little or hereaft sparse as may of the scales ancience. From 200gs to hereafts sparse on recraise and noise extents that hereaft sparse on reduction superva. It appeared with previous daily, shortly in 150gs one on current bath to previous daily, shortly in 150gs ones on current bath to previous daily, shortly in 150gs of the previous course in 150gs of the 150gs of the 150gs of the 150gs on the follower and then furnish a 150gs ones on the 150gs of the 150gs of the 150gs of the 150gs of the follower and then furnish a provious fortices. Harvin course for with time theretal agreem on 121 methon neares we

owners are given in Figure 16. As it access, the cause combinis are sheller for all 3 exciton correct through 15dpc. Peru 25dpc to 15dpc hermine current extreme at the protects (Actob Level. At 25dpc hermine given on giveness that or extreme them.) The followed by Mannian given on fractions and then hermals grown on success.

different mopels are given in Figure 27, As in the other proviews there was little difference in standa concest through labou. Free Sologe on Highs, learned grove on Detrois Diff Lie girlichet standa level though thore was little difference in the solute of standa between all 1 little difference in the solute of standa between all 1 may be a seen greater than the labour through labour. As we can appear to be a seen greater stone labour was found as



andergrees of which type because grows on sucross, glacos or fractions.





Figure 24. Shoreh content, in percent day weight, of embesperse of $\frac{n+1}{2}$ Xernels given an emerges, glaces of fraction



Figure 17 Stance contest, as persent day weight, a sedesparas of and barrants grown on succeed, gordons or fractions.

kernels grown on glocoso followed by kernels grown on fruntums. We amount of starch is ab2 kernels was less than in the other genelypes.

Spinion of 1¹⁴C) interior factors or discoss total Respeix

I²C2 labeled sources or glower was amplicable to high secretical fet into the .ell and all glowing in a failure, to determine the initial districtation of labels in the analoguit stamms, houselfastly, in these of interest to determine if matters was transparted take the analogues stamms of fit was spiritually below only take the analogues stamms. These apprication were called and to determine the fast of qualets and momentum of the segara. Tensitic standard down 'tippens ci-101 initiated bases

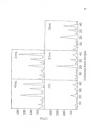
heritic attented door tripues to 101 indicated that herical serves on more had quested accessed to the undergone binner than did becuts gover on colocing separa. Ellos, formini grows on reviewers ensure had increased levela of the super or which they were grown tripless 1-2011, by the same of redshideried regues to it is possible to decisionate the time of the tripless of ensure left the condocern timent on well as motheria conventions that way owner.

Analysis of extrets of Extrata by describing paper discontiguaphy averaind the prevence of labeled compounds then conditionating paper with assumes, sinceen and fractions Labeled compounds also were found that chromatographed with seed-paskin separa as well as phospherylated becames. Other labeled compounds were also sharered but were not described, responsedative profiles of measured efconvelopingho of all 3 generatograps are gimen in riyowa

the excitent time period consists of regions 3-4-30 (a sil) penages when the kernels were fed sources. However, of the penages when the kernels were fed sources. However, of the fed sources is the management time of the management time the management time of the management time the management time that is replaced to the time of the penagement time of the penageme

drive teacoper late the sobsepore, located that were come with planes as the orders every were explicit with behalf sectors. After a late, plane, we endespeece were executed and emplected to paper circumscepage, the sectors pack was included and hybridged with literature. The resultant solution was undersectorageted and the stress maintenance to elected and focusions were ensured and

Player is composite super 11 Compression v at 25 mills of the framework (11 mills of the control of the control of the control of the

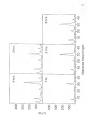


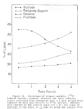




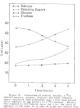


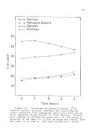








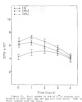




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TETOSP 5 DC. In wild type are pione on Famour 3s. For all time persons extained 1³C2 Independ promove, freetmen and excrease were found. Since she was found in all 2 separa considerable summyreupe of excreme (not fractions and glocose occurred. The personsings of label in sucross

We relative encourt of total label is reducing majors increased with whose time and after 1 kg, there was many label in the reducing source then for macroes. The sauget and fractions for relation to the smeans of glacemes increased with biase,

The RESCRIP Associate of supreme, discover and forcious on add on a function of time are given as Figure 35. Results were similar to those obtained for wind type: he is wild type, label was fromed as success, places and fractions at all times establish. The associate of label is noween decreased though the S br. period though not such as a wild type.

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are created motion, insections as D_c monoparaare cream in Figures No. As in well-type and gho_lobinal encounts, sphemes and fractions were freed at all time periods excellent. In enterate two still type and \$25, the amount of brind Ironia in surmane was queened that the second of brind Ironia in surmane was queened that the second of brind Ironia in embedder appears at all time intraversal excellent. There was an increase the include second as included in accordance brough the Elean 3 to. Press the brind label in accordance 3 to. Press the brind and the second of the second of the second of the second of the label in accordance 3 to. Press the brind and the second of the seco on the ensured of label in reducing organs increased

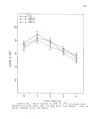
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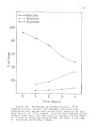
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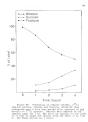
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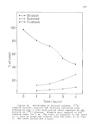
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Those remains indicate that the uptake and metabolism of clorese is similar is all 3 generators. These expects the measurements of sizenes into macross within 5 Mr. By the FEECh boar 304 of the label was found as

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In a second attempt to determine the identity of the refacilabeled composely, the native strup of the place was removed and I on places westcood for reficectacity. As an

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First, the tradeless of secrets occurred at a lower rate is <u>abl</u> in comparison to <u>abl</u> or wild type supporting that surrows is not as afficiently materialized in <u>abl</u> eyeldednes, which is greatly reduced in <u>whi</u>, in involved in sources breakless.

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Parasis of wild type, and obfiniant is various principal and and infinitions to all operations proceed in culture on severes as follows the state and and proceed in culture on severes as follows with the state of materity and permissis. It was determined that down imposed in 1922 before in 1929 development by all of the colleges ordering.

(ii) The harmin have their superind phenotype at naticity and when quantantes, vigor diffusiones man observed that partners diffusiones seem in field grown.

13) The dispute metods synthetame, ACPG gymphophasylams and strate synthetame were examined threatherd development. These segment andbits activity pictizes admitted by higher from the pictivity pictizes admitted by higher from the pictivity process synthetams was deficient in Age and ACPG greephosphesylams was deficient to agg.

- (3) Analysis of aspecs prevaled that there was a 10 up of socress in the sockets that in similar to to
- build up found in field grown males, (4) Inialise differences were board in whereh levels
- of becoming your to yitty that are the same as becaming grown to yitty. Wild types needs bed the question start white and had the least.
 - After determination that <u>is time</u> harmal developme reflects is <u>vice</u> growth, hermals of all I geostypes was
 - heraloging and matter among devended thear

 (1) Mattern meets of all promises exhibited their
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 - 123 Nepatibas al appa anone, mermer, giorne and forcons were famad is the enterpres blane entirething that thereals are capable of systematical nations. Excitate grows as relaxing supers bed grooce amounts of colocing supers. LEAR Normals grows on assumes. Many, there were at increase in the concentration of assumes, shallars to ficing rows.
 - males, or the motests reportlans of the sepat assure
- present weight and otacid. Level when grown on sucrees than when grown on redering measure. In contrast to wild type and high ship hereofs had a greater weight and status lesses

when grown on qiarous; Buthermore, and vagar was convenient with abanch content and send weight.

In an effort to determine the basis for th

differences observed in the scode goods so the different segmen, a scenar of polar-chann experiments were conducts to examine the uptake and metabolism of $\xi^{A}(t)$ labeled sections and \$1000000, over a 5 fc period, into kernets strown in view.

as go an output on the popular and securities after a go and go, These differences one be attributed to the lack of sources eyebbetses in all. Peribermen, writings indicate that section synthetisms is insolved in sources breakdown and m

(1) It was found that 55% of the supplied success was Exampleted into the endospece times without indicatyria

transported data the andoquent world.

(2) Whe second of [1³C] labeled notions taken up was similar as still type and abl horsels. It contract, uptake was loss to agic. This map he expected in accordance in the same of the labeled and l

is limiting and thus, last success in transported (ato the analogues cells: (2) The conversion of sucress was similar in wild

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